

Title (en)
WINDMILL

Title (de)
WINDMÜHLE

Title (fr)
EOLIENNE

Publication
EP 1876351 A4 20121128 (EN)

Application
EP 06730421 A 20060329

Priority
• JP 2006306473 W 20060329
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Abstract (en)
[origin: EP1876351A1] A windmill, characterized by connecting blade root parts to a hub in the radial direction of a windmill shaft by an undercut fitting structure which is suitable particularly for a small-sized windmill having FRP blades. By this structure, the blades can be connected to the hub at the blade root parts without basically requiring a bolt fastening structure, a reduction in the weight of the blades can be achieved, and the strength, rigidity and installation accuracy of connection parts between the blades and the hub can be satisfactorily maintained.

IPC 8 full level
F03D 1/06 (2006.01); **F03D 11/00** (2006.01)

CPC (source: EP US)
F03D 1/0658 (2013.01 - EP US); **F05B 2230/601** (2013.01 - EP US); **F05B 2240/30** (2013.01 - EP US); **F05B 2260/30** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **F05C 2253/04** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)
• [XA] DE 19903550 C1 20000525 - MUEHLBAUER LUFTFAHRTTECHN GMBH [DE]
• [A] US 5573377 A 19961112 - BOND NIGEL M [US], et al
• [A] EP 1306523 A1 20030502 - SNECMA MOTEURS [FR]
• [A] US 3132841 A 19640512 - WILDER JR STUART
• See references of WO 2006106734A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 06730421 A 20060329; CN 200680010769 A 20060329; DK 06730421 T 20060329; JP 2006306473 W 20060329; JP 2007512794 A 20060329; US 91013706 A 20060329